FIG.1
RELATED ART

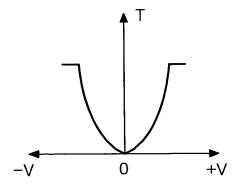
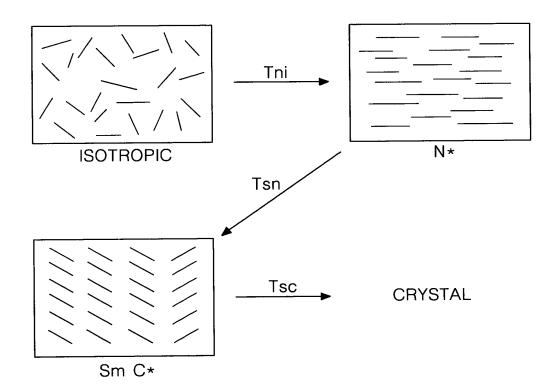


FIG.2 RELATED ART



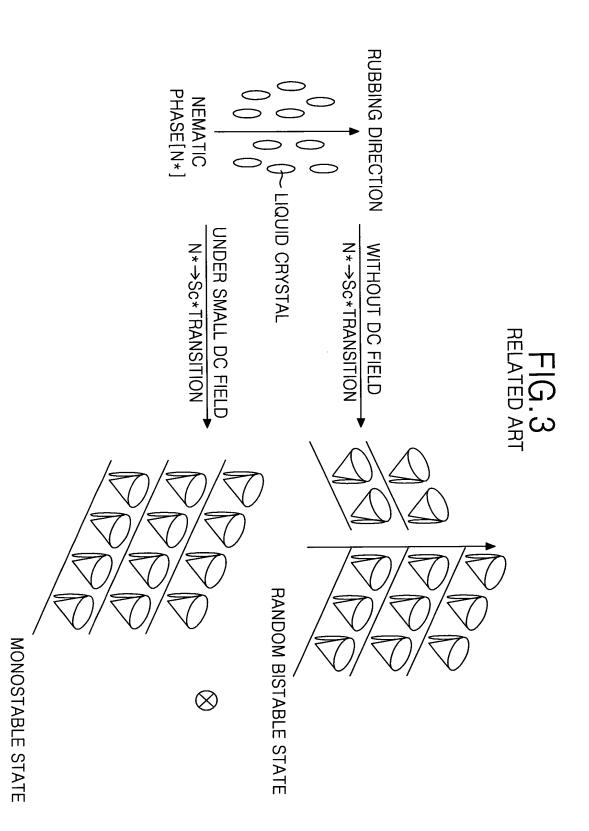


FIG.4A RELATED ART

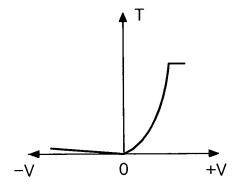


FIG.4B RELATED ART

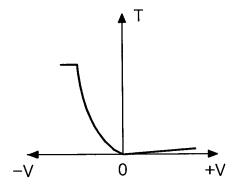


FIG.5 RELATED ART

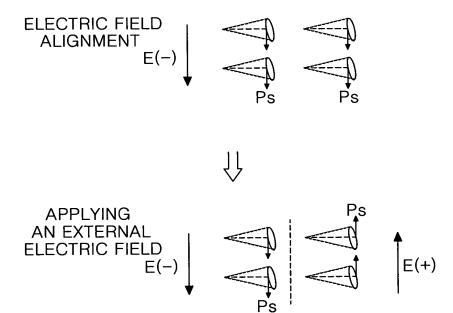


FIG.6A RELATED ART

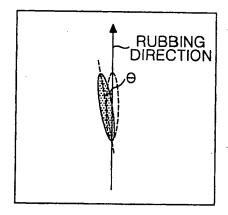


FIG.6B RELATED ART

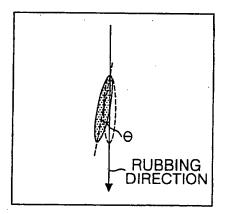


FIG.6C RELATED ART

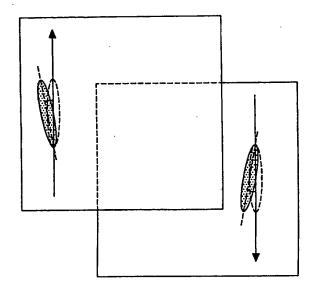


FIG.6D RELATED ART

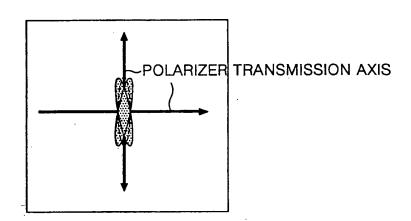


FIG.7
RELATED ART

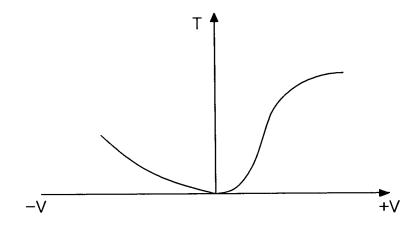


FIG.8

UPPER ALIGNMENT FILM RUBBING DIRECTION

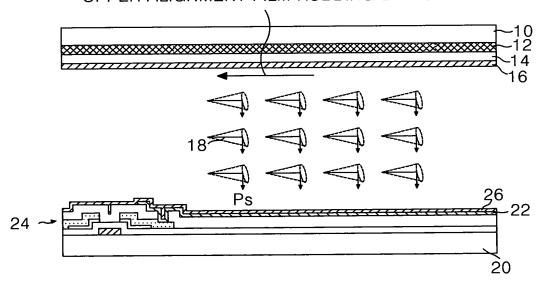


FIG.9

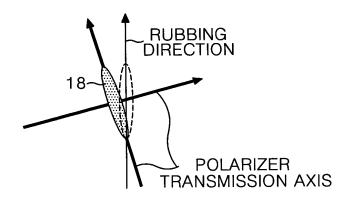
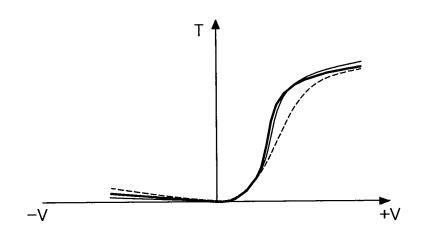


FIG.11



ONE SIDE(APPLYING ELECTRIC FIELD)ONE SIDE(NOT APPLYING ELECTRIC FIELD)BOTH SIDES(APPLYING ELECTRIC FIELD)

FIG.10A

ONE SIDE RUBBING OF THE UPPER/LOWER PLATE

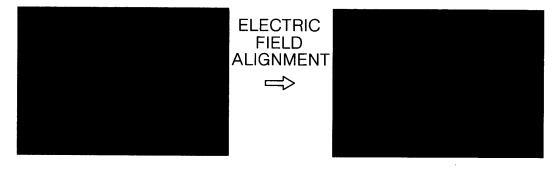


FIG.10B

BOTH OF THE UPPER/LOWER PLATE RUBBING

